






**Polypeptide cartilage-inducing factors found in bone.**

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**Cited documents:**

 US4434094  
 US4440750  
 WO8401106  
 EP0182483

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Abstract of corresponding document: **US4774322**

Two proteins that are found in bone and that have in vivo chondrogenic/osteogenic activity in combination with a co-factor are described. Both proteins also were active in combination with EGF in the in vitro TGF-beta assay. Each has a molecular weight of approximately 26,000 daltons by SDS-PAGE. Each is reduced to a single polypeptide indicating that the proteins are probably homodimers. One has an N-terminal sequence identical to that of human placenta-derived TGF- beta whereas the other has an N-terminal sequence that is different from that of TGF- beta derived from human placenta. The two proteins may be purified to homogeneity using RP-HPLC or acetic acid-urea gel electrophoresis.

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